

REMARKS

Claims 1-12 are currently active.

The Examiner has rejected Claims 1-12 under 35 U.S.C. 112 because the disclosed invention is inoperative and therefore lacks utility. Applicant respectfully, strongly disagrees with the Examiner. The figures show the implementation of the claimed invention. Furthermore, it is well recognized patent law that the date the application is filed is a basis or context for the statements made in the above-identified patent application. On page 11, lines 17-23, the physical parts of the claimed invention that have been used to practice it are identified. It is identified that a general purpose computer is used. One skilled in the art at the time of the above-identified patent application was filed would know what a general purpose computer is in regard to the claimed invention. Furthermore, on page 22, lines 10-13, it clearly states that one clock cycle is generally 200-300 MHz. It further states that the device computes a Perlin noise value, with a throughput of one result per clock cycle. It is respectfully submitted the argument presented by the Examiner ignores what is presented in the above-identified patent application. Claims 1-12 are operative, and have utility as evidenced by the figures and explained in the above-identified patent.

The Examiner has rejected Claims 1-12 under 35 U.S.C. 112, first paragraph, as failing to comply with the written description and enablement requirement. Again, applicant respectfully strongly traverses this statement and rejection. It is repeated in numerous places throughout the application that each three-dimensional evaluation requires only one clock cycle. In fact, the entire specification basically explains and describes the operation of the claimed invention. There is essentially nothing left for one skilled in the art to figure out to practice the claimed invention. One skilled in the art, who will generally be defined to have the background and capabilities of the inventor, a professor at New York University, whose job it is to teach students and explain how the subject matter and the technology he teaches, works; from reading the specification of the above-identified patent application would know how to practice the claimed invention. Accordingly, Claims 1-12 comply with the written description and the enablement requirement.

The Examiner has rejected Claims 1-12 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particular point out and distinctly claim the subject matter which applicant regards as the invention. Applicant respectfully traverses this rejection. The Examiner states the term "each 2 dimensional evaluation only requires 1 clock cycle". First, the claim limitation recites each 3 dimensional evaluation requires only one clock cycle, not each 2 dimensional evaluation. Furthermore, one skilled in the art knows exactly what a three-dimensional evaluation is in regard to Perlin noise, and it is further set

out in detail in regard to the enablement description in the specification, which if there was any confusion, one skilled in the art would look to for a definition. Accordingly, Claims 1-12 are clear and definite.

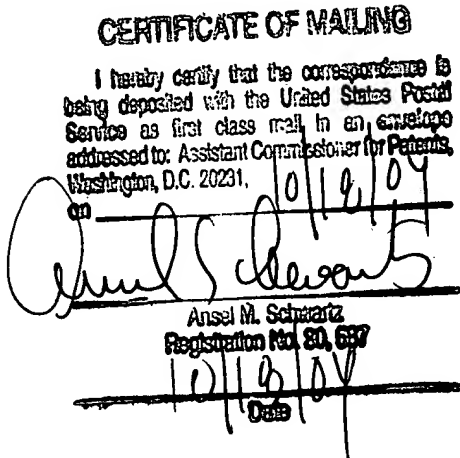
The Examiner has rejected Claims 1 and 12 as being anticipated by Ye.

Applicant respectfully traverses this rejection. Ye does not teach or suggest anywhere the limitation that each three-dimensional evaluation requires only one clock cycle. It is respectfully submitted that such limitation does carry patentable weight. This language is a specific limitation that further defines the claimed invention and the capability of the elements. Accordingly, Claims 1 and 12 are patentable over Ye.

The Examiner has rejected Claims 2-11 as being unpatentable over Ye.

Applicant respectfully traverses this rejection. Claims 2-11 are dependent to parent Claim 1 and have all the limitations of Claim 1. For the reasons Claim 1 is patentable, as explained above, Claims 2-12 are patentable.

In view of the foregoing amendments and remarks, it is respectfully requested that the outstanding rejections and objections to this application be reconsidered and withdrawn, and Claims 1-12, now in this application be allowed.



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